

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Kil Jae Chang
Serial No. :
Filed :
For : SANITIZED DISPENSING MECHANISM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

In keeping with the duty of candor and good faith owed to the U.S. Patent and Trademark Office, applicant wishes to make of record the items on attached PTO Form 1449. As per OG notice of 05 Aug 2003, no copies of U.S. patents are being provided. A copy of the U.K. patent is enclosed.

U.S. Pat. No. 1,347,558 to Simon discloses a vending machine in which a revolvable casing 2 having compartments storing articles is turned by a person to align a particular compartment with a chute 33, a coin is then deposited into a slot 34 to enable an arm 29 to be pushed downwardly and cause a sliding bar 23 to be moved forwardly to push a lowermost article before it from a storage compartment of a revolvable casing 2 such that the article will pass down the chute 33 to where it may be removed from the machine.

U.S. Pat. No. 1,452,721 to Antoine discloses, with reference to Figs. 1, 2 and 4, a dispensing machine having an opening 16 into which a check or coin is inserted, a rotatable disc 24 which receives and carries the coin by turning a handle 26 attached to the disc 24, a casing 76 having an entrance opening 77 for a product to be dispensed and a delivery outlet opening 78 which discharges the product into a chamber 79, a drum 83 in the casing 76 which is rotatable in response to rotation of the disc 24 to transfer the product from the entrance opening 77 to the outlet opening 78 of the casing 76, a pivotally supported closure 80 arranged across the delivery outlet opening 78 which blocks the

passage of the product from the outlet opening 78 of the casing 76 to the hand-accessible chamber 79 until the person engages and pushes on a projection 82 attached to and depending from the pivotal closure 80. The person inserts his or her fingers into the chamber 79 to engage and push on the projection 82 so that the product will then drop into the person's hand.

U.S. Pat. No. 1,490,365 to Du Grenier discloses a vending machine having a rotatable handle 12 of a coin-controlled mechanism which when operated causes the release of a product from the magazine 2 to a discharge passage 8 leading to an opening in the bottom of the machine.

U.S. Pat. No. 1,562,152 to Du Grenier discloses a vending machine having a coin controlled mechanism actuatable to cause dispensing of products.

U.S. Pat. No. 1,627,547 to Antoine et al. discloses a vending machine having a coin receiving slot 15, a rotatable commodity carrier 17 having a plurality of compartments 18, and a casing 16 with a discharge outlet 19.

U.S. Pat. No. 1,640,851 to Oxarart discloses a vending machine having a coin slot 6 leading to a coin controlled mechanism and a handle 7 to operate a shaft for vending articles into a cup 3 after deposit of a coin in the coin slot.

U.S. Pat. No. 2,193,211 to Taylor discloses a dispensing apparatus having an operating handle 20 which engages an end of a shaft 7 of a dispensing closure whereby rotation of the handle will operate the closure. The casing 2 of the apparatus is provided with a coin slot 21 for insertion of a coin to free the handle 20 to be rotated to dispense a container 5 into a pocket 6.

U.S. Pat. No. 2,653,069 to Mason discloses a vending machine in which a coin is inserted to effect release of an article for discharge from the machine via an inclined chute 12 leading to a part 15 which receives and holds the product for removal by the purchaser.

U.S. Pat. No. 2,759,632 to Ussery et al. discloses a dispensing machine in which a coin is inserted into a sleeve 132

and engaged in a coin receiving sleeve 126 and slot 116 whereby first and second levers 104, 108 can be moved together about respective pivotal axes to cause a gum ball received from a conduit 86 to be dispensed from a tubular portion 112 into an opening 40 and out a dispensing tube 42.

U.S. Pat. No. 2,772,811 to Schaef discloses a vending machine having a coin mechanism 37 with a coin slot 38 and an actuating handle 36 for receiving a coin to allow turning of the handle 36 to cause rotation of a wheel 40 and dispensing of an article through a chute 68 to an external dispensing opening 34.

U.S. Pat. No. 3,128,011 to Bleiman discloses a vending machine 10 having a coin slot for receiving a coin to unlatch a rotatable shaft 24 for turning by using a handle 22 on the shaft 24 to cause dispensing of an article through a delivery chute 30 to an external opening.

U.S. Pat. No. 3,198,402 to Hunt et al. discloses a dispensing machine having an internal spring loaded door 64 located adjacent an internal aperture 34 to prevent intrusion of foreign matter into the interior of the machine but allow passage of a dispensed article from the internal aperture 34 to an external dispensing chute or spout 62.

U.S. Pat. No. 3,335,908 to Johnson discloses a vending machine having a secondary dispensing mechanism to permit vending of a displayed product.

U.S. Pat. No. 3,894,657 to Eckmayr discloses ball dispensing device controlled by a coin-operated dispenser.

U.S. Pat. No. 4,667,847 to Tucom discloses a golf ball dispenser in which balls are dispensed from an internal rotatable dispenser 28 into a drain 18 having an external dispensing spout 19.

U.S. Pat. No. 5,277,331 to Barbaccia discloses a vending machine for golf balls which are dispensed through chute 46 into a bucket 48.

U.S. Pat. No. 5,397,025 to Lee discloses a dispensing machine which employs rotatable asymmetrical cams and spring loaded

separator doors to control the dispensing of beverage cans.

U.S. Pat No. 5,452,822 to Haymond is discussed in the Background Art section of the above-identified application.

U.S. Pat. No. 5,673,812 to Nelson discloses a golf ball dispenser wherein to operate the dispenser a customer deposits a coin into a control box 60, thereby actuating a rotary disc 30 which transfers golf balls from a hopper 12 to an external chute 26.

U.S. Pat No. 5,782,378 to Hart et al. is discussed in the Background Art section of the above-identified application.

U.S. Pat No. 5,833,117 to Kovens et al. is discussed in the Background Art section of the above-identified application.

U.S. Pat No. 5,897,022 to Mann is discussed in the Background Art section of the above-identified application.

U.S. Pat. No. 6,056,151 to Peery et al. discloses a gumball machine having a coin operated crank mechanism 20 which by depositing a coin and turning a crank 24 causes dispensing of a product at an external dispenser 36 in the form of a cup, dish or drawer.

U.K. Pat. No. 2,187,167 to Coyle discloses a dispenser in which a coin is inserted and a handle 40 turned to cause dispensing of product into an external receptacle 7.

Respectfully submitted,



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Date: March 19, 2004

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LIST OF PRIOR ART CITED BY APPLICANT

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GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1347558	7/1920	SIMON			
	1452721	4/1923	ANTOINE			
	1490365	4/1924	GRENIER			
	1562152	11/1925	GRENIER			
	1627547	5/1927	ANTOINE ETAL.			
	1640851	8/1927	OXARART			
	2193211	3/1940	TAYLOR	312	36	
	2653069	9/1953	MASON	312	89	
	2759632	8/1956	USSERY ETAL.	221	199	
	2772811	12/1956	SCHAEF	221	155	
	3128011	4/1964	BLEIMAN	221	68	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

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U.S. PATENT DOCUMENTS

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